

**Center of Nuclear Physics Data (CNPD), RFNC-VNIIEF**

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Compilation activity

Eighteen final files TRANS.F071, TRANS.F072, TRANS.F073, TRANS.F074, TRANS.F075, TRANS.F076, TRANS.F077, TRANS.F078, TRANS.F079, TRANS.F080, TRANS.F081, TRANS.F082, TRANS.A091, TRANS.A092, TRANS.A093, TRANS.A094, TRANS.A095 and TRANS.A096 have been submitted for the EXFOR data library within two years passed after the last Meeting of the International Network of Nuclear Reaction Data Centres. Files with letter “A” include the revised entries only. Files with letter “F” include both new and the revised entries.

A major part of new entries are the articles from “Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki”, 1955-1974 (Memo CP-D\971, “Completeness checking for articles published in JET”).

SoftwareEXFOR-Editor, InpGraph

The works on perfecting EXFOR-Editor and InpGraph programs are being carried out constantly. New version of the program ExfData 4.01 was released. It provides the possibility of creating the exchanged file TRANS to transfer the compiled data to NDS.

In the new version of ExfData 4.01 there appears a possibility of entering data on neutron spectra (Memo CP-D/965, “New keyword – SUPPL-INF (Supplemental Information”).

The most recent innovation of the program consists in saving information with TRANS content (entry number, author, reference) in a separate file. It may help user in maintaining a personal database with compiled entries.

Update of Dictionaries and checking codes (CHEX and JANIS TRANS Checker) is being carried out on continuing basis.

General

Technical Paper “Processing of numeric data on nuclear reactions for EXFOR international library of experimental nuclear data” (G. Pikulina, S. Taova) was published in the journal Izvestiya Rossiiskoi Akademii Nauk, Seriya Fizicheskaya, V. 84, №10, 2020, p. 1495-1498 (Bulletin of Russian Academy of Science, V.84, № 10, 2020. P.1286-1289).

EXFOR-Editor tools to process the numeric table data and control their reliability are considered using the concrete examples.

Scanning of journals “Izvestiya Akademii Nauk” and “Yadernaya Fizika” is being performed regularly to reveal articles relevant to be compiled to Exfor library. The reports on scanning results are submitted to the NDS, IAEA every month.